

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (previously presented) A screw compressor, comprising:

a housing; and

a screw rotor disposed in said housing and rotatable relative to said housing for compressing a refrigerant, said housing and said screw rotor having a rest condition; and an operating condition wherein at least one of said housing and said rotor deflect from said rest condition, and means for at least one of reducing deflection from said rest condition and evenly distributing deflection from said rest condition when said rotor is in said operating condition, whereby clearance between said housing and said rotor is optimized in said operating condition; and

wherein said rotor has a hollow section positioned along said rotor to substantially uniformly distribute deflection of said rotor in said operating condition over a length of said rotor.

2. (original) The compressor of claim 1, wherein said means is selected from the group consisting of pressure influencing structures, temperature influencing structures and combinations thereof.

3. (original) The compressor of claim 1, wherein said rotor has a suction end and a discharge end, and a

Approved
for Entry
C.V.
9/26/04